

### **A b s t r a c t**

The invention relates to a drill (4) and a device or a method for drilling boreholes in work-pieces (3), in which a periodically acting radial force (19) is exerted on the drill head (5) of the drill (4). The drill head (5) of the drill (4) has a cutting edge (52) extending only over a part of the diameter D(51) and is designed to have a lateral, V-shaped chip removing groove or bead (59) and with a channel (12) with an outlet opening (56) in the drill head (5) for supplying a drill fluid (9). On a drill side (61) of the drill head (5) opposite the bead (59) between a first and a second cylinder casing partial surface (64, 65) of the drill head (5) a rear offset (63) is formed which reduces the cross section of the drill head (5) in relation to an enclosing cylinder casing surface (61) of the drill head (5).

(Fig. 1)